

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A composite body-(1) for absorbing an electromagnetic wave, ~~formed by injection molding~~ including a thermoplastic resin consisting of at least one of polypropylene and methylpentene polymer blended with 20-60% 30-58% by volume of soft magnetic material powder having a scale-like shape and an aspect ratio of 3-20 and a mean particle diameter converted to spherical diameter of 5-50 μm , comprising a unit cell having a bore-(2) extending from a top face to a bottom face-(3), wherein

a portion of said bore-(2) located ~~more adjacently to~~ on a side of said bottom face (3) ~~than to said top face having~~ has a smaller cross-sectional area than that of said bore (2) at said top face, and

a height of said unit cell from the bottom face-(3) to said top face ~~being~~ is at least 1.2 times and at most 10 times as large as the maximum width of said bore-(2) at the top face of said unit cell.

2. (Currently Amended) The composite body for absorbing an electromagnetic wave according to claim 1, wherein a concave portion-(4a) is provided around said bore (2) to extend from the bottom face-(3) of said unit cell to the top face of said unit cell.

3. (Currently Amended) The composite body for absorbing an electromagnetic wave according to claim 2, wherein

said concave portion ~~(4a)~~ surrounds said bore ~~(2)~~, and forms a cylindrical portion ~~(5)~~ surrounding said bore ~~(2)~~ on a side of the bottom face ~~(3)~~ of said unit cell.

4. (Currently Amended) The composite body for absorbing an electromagnetic wave according to claim 3, comprising a rib ~~(6)~~ connecting said cylindrical portions ~~(5)~~.

Claims 5 - 8 (Canceled)

9. (Currently Amended) A composite body ~~(1)~~ for absorbing an electromagnetic wave, ~~formed by injection molding comprising~~ a thermoplastic resin blended with 20-60% by volume of soft magnetic material powder, having a bore ~~(2)~~ extending from a top face to a bottom face ~~(3)~~, and wall portions surrounding said bore, wherein

a portion of said bore ~~(2)~~ located ~~more adjacently to~~ on a side of said bottom face ~~(3)~~ than to the top face ~~having~~ has a smaller cross-sectional area than that of said bore ~~(2)~~ at said top face, ~~and~~

~~convex and concave portions (12, 13) being provided at said top face~~

convex portions are provided at top faces of intersections of said wall portions,
and

concave portions are provided at top faces of said wall portions located between
said intersections.

Claims 10 (Canceled)

11. (Currently Amended) A method of manufacturing a composite body for absorbing an electromagnetic wave, comprising the steps of:

kneading a thermoplastic resin consisting of at least one of polypropylene and methylpentene polymer blended with ~~20-60%~~ 30-58% by volume of soft magnetic material powder having a scale-like shape and an aspect ratio of 3-20 and a mean particle diameter converted to spherical diameter of 5-50 μ m and with 1-9% by volume of a molding assistant and a kneading assistant to provide a kneaded material;

injection-molding said kneaded material ~~into a desired shape~~ to provide a compact; and

cooling said injection-molded compact without performing degreasing and sintering for solidification.